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757 7590 06/30/2004

BRINKS HOFER GILSON & LIONE
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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

<i>John C. Freeman</i>	(Depositor's name)
<i>John C. Freeman</i>	(Signature)
<i>September 30, 2004</i>	
(D)	

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/661,663	09/14/2000	Erwin Spanner	56/344	9189

TITLE OF INVENTION: DEVICE FOR POSITION INDICATION AND DETECTION OF GUIDANCE ERRORS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$50	\$0	\$50	09/30/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
SHAH, KAMINI S	2863	702-104000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

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1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Dr. Johannes Heidenhain GmbH

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Traunreut, Germany

Please check the appropriate assignee category or categories (will not be printed on the patent): individual corporation or other private group entity government

4a. The following fee(s) are enclosed:

4b. Payment of Fee(s):

Issue Fee

Publication Fee

Advance Order - # of Copies 10

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Payment by credit card. Form PTO-2038 is attached.

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Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature) *John C. Freeman* (Date) *September 30, 2004*

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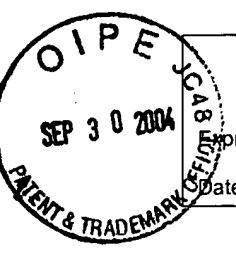
Adjustment date: 10/05/2004 FMETEK12
12/27/2002 MAHMED2 00000167 09661663
01 FC:1501 -1280.00 OP

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln of: Erwin Spanner

U.S. Patent Application Serial
No.: 09/661,663

U.S. Filing Date: September 14, 2000

RCE Filing Date: December 10, 2003

For: DEVICE FOR POSITION INDICATION AND
DETECTION OF GUIDANCE ERRORS

Attorney Docket No: 56/344

Art Unit: 2863

Confirmation No: 9189

Examiner: Shah, Kamini S.

Mail Stop Issue Fee
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL

Sir:

Attached is/are:

- Form PTOL-85B – Issue Fee Transmittal (in dupl.) and Response To Notice Of Allowance
 Return Receipt Postcard

Fee calculation:

- No additional fee is required.
 Small Entity.
 An extension fee in an amount of \$____ for a ____-month extension of time under 37 C.F.R. § 1.136(a).
 A petition or processing fee in an amount of \$____ under 37 C.F.R. § 1.17(____).
 An additional filing fee has been calculated as shown below:

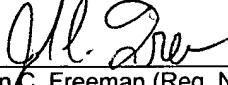
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Small Entity		or	Not a Small Entity	
					Rate	Add'l Fee		Rate	Add'l Fee
Total		Minus			x \$9=			x \$18=	
Indep.		Minus			x \$43=			x \$86=	
First Presentation of Multiple Dep. Claim					+\$145=			+\$290=	
					Total	\$		Total	\$

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- A check in the amount of \$80.00 to cover the issue fee of \$50.00 and the ten (10) extra copies of \$30.00 is enclosed.
- Please charge Deposit Account No. 23-1925 in the amount of \$. A copy of this Transmittal is enclosed for this purpose.
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- The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

September 30, 2004
September 30, 2004

Respectfully submitted,


John C. Freeman (Reg. No. 34,483)